

CITY OF MOUNTAIN VIEW, CALIFORNIA

REFINISHING SPECIFICATIONS

CASTRO STREET REFURBISHMENT

GENERAL PROVISIONS

The following scope of work and specifications involve the preparation and repainting and refinishing of various exterior surfaces of City-owned structures along Castro Street in Mountain View California. The work includes providing all labor, materials, equipment and supervisory and administrative services needed for surface preparation, cleaning, priming, painting and finishing of Bus Stops, Breezeway Trellis, Light Poles, Kiosks, Iron Work, Globe Light Fixtures at street intersections and walkways.

1. PREVAILING-WAGE REQUIREMENTS

This is a **non**-prevailing wage project. Department of Industry Prevailing wage requirements will not apply to this project

2. SUPERINTENDENT

The Superintendent shall have the authority to take direction from the City as it affects the Contractor's work and to receive and carry out all City instructions given to the Contractor. The superintendent must be experienced and competent in all aspects of the work in this project.

3. RESPONSIBILITIES OF THE CONTRACTOR

The City assumes no responsibility for loss of or damage to materials or equipment owned or operated by the Contractor, his agents or employees. All work damaged due to vandalism or any other cause prior to acceptance of the work by the City shall be repaired or replaced by the Contractor at the Contractor's own expense.

The Contractor shall comply with all applicable State and local laws, ordinances, codes and regulations. All safety orders, rules, and recommendations of the Division of Industrial Relations of the State of California applicable to all the work performed under this contract shall be obeyed and enforced by the Contractor. The Contractor shall be solely responsible for any and all injuries to individuals or properties resulting directly or indirectly from the Contractor's performance of the work and the Contractor agrees to indemnify and hold the City free and harmless from and against any and all liabilities, expenses, claims, costs, suits and damages arising out of the negligence or on the part of the Contractor.

4. NORMAL WORKING HOURS

Normal working hours for City Public Works Inspectors are from 7:30 a.m. to 6:00 p.m. Monday through Friday except legal holidays unless specified otherwise in the Special Provisions.

5. SITE APPEARANCE

The Contractor shall maintain a neat appearance to the work site throughout the construction period. When practical, broken concrete, dirt, and debris generated by the construction shall be disposed of concurrently with its removal. If stockpiling is necessary, the material shall be removed or disposed of daily or at the direction of the Facilities Project Coordinator.

6. TERMINATION OF CONTRACT

The City reserves the right to terminate the contract for its convenience at any time upon a determination by the City Council or designated representative that termination of the contract is in the best interest of the City.

Contractor's attention is directed to Section 8-07, "Termination of Contract," of the Standard Provisions and Section 8-11, "Termination of Contract," of the Standard Specifications.

Section 8-1.11 (D) (1) of the Standard Specifications shall be replaced with the following:

"The reasonable cost to the Contractor, without profit, for all work performed under the contract, and work done to secure the project for termination, but not including any costs for bonds and insurance and any other administration and overhead costs. In determining the reasonable cost, deductions will be made for the cost of materials to be retained by the Contractor, amounts realized by the sale of materials, and for other appropriate credits against the cost of the work."

All records of the Contractor and his subcontractors, necessary to determine compensation in accordance with the provisions of Section 8-1.11, "Termination of Contract," of the Standard Specifications shall be open to inspection or audit by the City at all times during a 3-year period after issuance of the notice that the contract is to be terminated. The Contractor shall retain and maintain such records and make them available to City at any times during that 3-year period. The provisions of this Section 8-1.11 shall be included in all subcontracts.

7. NOISE CONTROL

Each internal combustion engine, used for any purpose on the job or related to the job, shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without a muffler.

Any equipment used on the project shall not produce a sound level exceeding 55 dB (A) when measured, by a sound level meter equal to or better than an ANSI Standard S 1.4-1971 Type 2 noise level meter, at any location on any residentially used property. At nights, between 10 p.m. and 7 a.m., this sound level shall not exceed 50 dB (A).

8. DUST CONTROL

Dust control shall be performed in accordance with Section 5-10, "Dust Control," of the City Standard Provisions and Section 10, "Dust Control," of the State Standard Specifications and the following requirements.

The Contractor shall keep the work area sufficiently watered to keep dust to a minimum at all times during construction.

9. OSHA REQUIREMENTS

The Contractor's attention is directed to Section 7-1.09, "Public Safety," and Section 7, "Legal Relations and Responsibility," of the Standard Specifications and the requirements herein. The Contractor and subcontractors shall perform all work in a safe, workmanlike manner. Methods and equipment used in performing the work shall be in conformance with State and Federal Occupational Safety and Health Acts and applicable local codes. The Contractor shall bear all costs associated with the permit fee and delays due to stoppage by OSHA or the Facilities Project Coordinator as a result of nonconformance with the requirements of this section.

10. DISPOSAL OF MATERIALS

The Contractor's attention is directed to Section 13, "Excess Material," of the Standard Provisions and these requirements.

The Contractor shall not stockpile debris, rubbish, garbage, excess materials or other unwanted materials on the sidewalk or on the street. All demolition rubble, debris, slurry, dirt, trees, shrubs, vegetation, and other excess materials resulting from the Contractor's operations shall be disposed of off-site in a safe and legal manner at the Contractor's own expense. All rubble, debris, or other excess materials must be removed at the end of each workday. Washing of excess materials into the storm drain is prohibited.

Payment for disposal of excess materials shall be considered as included in the payments for other items of work and no additional compensation will be made.

11. SITE CLEANUP

Site cleanup shall conform to the provisions in Sections 4-05, "Final Cleanup," of the Standard Provisions and as specified herein.

If the Contractor fails to perform the final cleanup work as specified, the City will withhold the final payment until the Contractor complies with the requirements. If the Facilities Project Coordinator deems the final cleanup unsatisfactory, the Contractor shall remedy the

work within two (2) working days after receipt of rejection notice from the City. If the Contractor fails to remedy the work as directed, the City may at its own option hire a third party to perform the work and deduct the cost of the cleanup work from the final payment due the Contractor.

12. INSURANCE REQUIREMENTS

Follow requirements from Purchasing Department.

13. PUBLIC ACCESS

The Contractor shall be responsible during all phases of the work to provide for public safety and convenience by use of traffic cones, signs, and barricades. Prior to starting construction, the Contractor shall submit a detailed public access plan conforming to the restrictions and requirements in the contract documents. The detailed plan shall show the methods to be used to maintain pedestrian access around the project site, method of control of paint overspray, and CAZ (construction access zone).

14. PUBLIC CONVENIENCE AND SAFETY

A. General

The Contractor shall maintain sufficient safeguards against the occurrence of accidents, injuries, or damage to any person or property. CAZ, such as barricades shall be paced around all work areas in progress. The Contractor shall solely responsible for all mishaps and their associated costs if these mishaps occur.

1. GENERAL

A. The following scope of work and specifications involve the preparation and repainting and refinishing of various exterior surfaces of City-owned structures along Castro Street in Mountain View California. The work includes providing all labor, materials, equipment and supervisory and administrative services needed for surface preparation, cleaning, priming, painting and finishing of Bus Stops, Breezeway Trellis, Light Poles, Kiosks, Iron Work, Globe Light Fixtures at street intersections and walkways.

2. SUBMITTALS

- A. Product Data: Contractor shall submit paint color code and provide manufacturer's technical information, label analysis and application instructions for each material proposed for use.
- B. Samples for Verification Purposes: Contractor shall provide sample of each color prior to application.

3. QUALITY ASSURANCE

- A. Experience: Contractors should demonstrate at least eight years of experience with projects of similar age, size and characteristic.
- B. Single-Source Responsibility: Provide primers and undercoat paint produced by the same manufacturer as the finish coat.
- C. Coordination of Work: Review other sections in which primers are provided to ensure compatibility of the total systems for various substrates.
 - (1) Notify City of problems anticipated using the materials specified.
- D. Material Quality: Provide the manufacturer's best quality trade sale paint material of the various coating types specified. Paint material containers not displaying manufacturer's product identification will not be acceptable.

4. DELIVERIES, STORAGE AND HANDLING

- A. Deliver materials to the job site in the manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
 - Product name or title of material.
 - Product description (generic classification or binder type).
 - Manufacturer's stock number and date of manufacture.
 - Contents by volume for pigment and vehicle constituents.
 - Thinning instructions.
 - Application instructions.
 - Color name and number.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45°F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.
 - (1) Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing and application.

5. JOB CONDITIONS

- A. Paint all exposed surfaces except where specifically indicated not to be painted. Where an item is not specifically mentioned, paint the same as similar adjacent materials or surfaces. If color or finish is not designated, the City will select from standard colors or finishes available.
 - (1) Unless noted otherwise, colors shall match existing.
 - (2) Do NOT paint over Underwriter's Laboratories, Factory Mutual or other code-required labels or equipment name, identification, performance rating or nomenclature plates.
 - (3) City shall be responsible for trimming back all landscaping around exterior surfaces by 12".

- B. Apply water-based paints only when temperatures of surfaces to be painted and surrounding air temperature are between 50°F and 90°F.
- C. Apply solvent-thinned paints only when temperatures of surfaces to be painted and surrounding air temperatures are between 45°F and 95°F.
- D. Do NOT apply paint in rain, fog or mist; when the relative humidity exceeds 85 percent, at temperatures less than 5°F above the dew point; or to damp or wet surfaces.

6. MANUFACTURERS/PAINT DISTRIBUTERS

- A. DuPont IMRON Polyurethane or approved equal.

7. PAINT MATERIALS AND APPLICATIONS

Bus Stop: Polyurethane High Gloss Two Colors - Spray Application Two Coats
Globe Pedestal: Polyurethane High Gloss - Brush Application Two Coats
Metal Corner Work: Polyurethane High Gloss - Brush Application Two Coats
Kiosk: Polyurethane High Gloss Three Colors - Spray Application Two Coats
Breezeway Trellis: Polyurethane High Gloss – Brush/roller Application Two Coats
Wood Work: Spar Marine Grade High Gloss Varnish - Brush Application Two Coats

8. EXAMINATION

- A. Examine substrates and conditions under which painting will be performed for compliance with requirements for application of paint. Do not begin paint application until unsatisfactory conditions have been corrected. Notify City of any areas or conditions requiring different treatments from that specified.
 - (1) Start of painting will be evidence of Contractor's acceptance of surfaces and conditions within a particular area.

9. PREPARATION

- A. Placement of scaffolding or mechanical lifts shall be done in such a manner that damage to building and surrounding areas does not occur. The Contractor shall maintain Construction Access Zones (see article 13).
- B. Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures and similar items in place that are not to be painted, or provide surface-applied protection prior to surface preparation and painting. Remove these items, if necessary, for complete painting of items and adjacent surfaces. Following completion of painting operations in each space or area, have items reinstalled by workers skilled in the trades involved.
- C. Clean surfaces before applying paint or surface treatments. Remove tape and foreign material prior to cleaning. Schedule cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

- D. Surface Preparation: Clean and prepare surfaces to be painted in accordance with the manufacturer's instructions for each particular substrate condition and as specified. Cleaning may include removal of bird nests.
- E. Provide barrier coats over incompatible primers or remove and re-prime. Notify City in writing of problems anticipated with using the specified finish coat material with substrate primed by others.
- F. Contractor shall remove Acrylic Globes prior to painting globe base and replace light Bulb and new globe provided by the City; and re-attach globe with 100% clear silicone per Facilities direction.
- F. Wood: Clean surfaces of dirt, oil and other foreign substances with scrapes, mineral spirits and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
- G. Where paint has not been removed, rough sand and wash painted surfaces to remove grease, dirt, mildew, and to ensure adequate adhesion of the first coat.
- H. Materials Preparation: Carefully mix and prepare paint materials in accordance with manufacturer's directions. Stir materials before each application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material.

10. APPLICATION

- A. Apply paint materials in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.
- B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces or conditions detrimental to formation of a durable paint film.
- C. The number of coats and film thickness required is the same regardless of the application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. Sand between applications where sanding is required to produce an even, smooth surface in accordance with manufacturer's directions.
- D. Apply additional coats when undercoats, stains or other conditions show through final coat of paint until paint film is of uniform finish, color and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.
- E. Finish doors on tops, bottoms and side edges same as exterior faces.
- F. Sand lightly between each succeeding varnish coat.
- G. Polyurethane Application.
 - (1) Apply first coat to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practical after preparation and before subsequent surface deterioration.
 - (2) Allow sufficient time between successive coats to permit proper drying. Do not recoat until paint has dried to where it feels firm and does not deform or feel sticky under moderate thumb pressure and where application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

- (3) Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as recommended by the manufacturer.
- (4) Ensure surfaces are completely covered to provide a smooth surface or uniform finish, color, appearance and coverage. Cloudiness, spotting, holidays, laps; brush marks, runs, sags, or other surface imperfections will not be acceptable.
- (5) Remove, refinish or repaint work not in compliance with specified requirements.

I. Three Coat Spar Varnish on Wood Seat Slats and Hand Rails.

- a. Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as recommended by the manufacturer.
- (2) Allow sufficient time between successive coats to permit proper drying. Do not recoat until paint has dried to where it feels firm and does not deform or feel sticky under moderate thumb pressure and where application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

11. CLEANING

- A. Clean up at the end of each workday, remove empty cans, rags, rubbish and other discarded paint materials from site.
- B. Upon completion of painting, clean glass- and paint-spattered surfaces. Remove spattered paint by washing and scraping, using care not to scratch or damage adjacent finished surfaces.

12. PROTECTION

- A. Protect buildings and sites, whether to be painted or not, against damage by painting. Bus Stops and Kiosks shall be spray-painted and a protective enclosure erected around structures to ensure protection from overspray.
- B. Protect landscaping plants and planting areas from damage by painting.
- C. Provide "wet paint" signs to protect newly painted finishes.
- D. Provide temporary protective wrappings for protection of equipment and other items in paint areas.
- E. Provide drop cloths and other protective materials along flooring.
- F. Provide barricades, caution tape, and/or any other means for the safety and protection for the general public and City employees.
- G. Cal-OSHA Approved Fall Protections Plans shall be submitted to the Facilities Division for approval for all high work performed by the Contractor where there is the potential danger of employees falling from over a distance of six feet. The Contractor shall maintain Construction Access Zones (CAZ).

13. EXECUTION

- A. Contractor shall attend all pre-construction site reviews, as required by the City.
- B. Contractor shall provide a written schedule for completing each painting job 7 days prior to starting work.
- C. Contractor shall work diligently and continuously during normal business hours to complete all work in a timely manner.
- D. Contractor's foreman shall remain on-site at all times while work is being performed.

14. GENERAL ESTIMATE UNIT BID SHEET

Quantity	Description	Finish	Material	Labor	UNIT Price	TOTAL
6	Breezeway Structures and Light Poles	Gloss	DuPont IMRON	Sand Clean/Prime Two-coat Brush/roller		
7	Bus Stops Metal Work Wood benches	Gloss	DuPont Spar Varnish	Sand Clean/Prime Two-coat Spray/Brush		
48	Light Globes	Gloss	DuPont IMRON	Sand Clean/Prime Two-coat Brush		
4	Kiosk	Gloss	DuPont IMRON	Sand Clean/Prime Two-coat Spray		
44	Corner Work	Gloss	DuPont EMRON	Sand Clean/Prime Two-coat Brush		

GRAND TOTAL: _____